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	Filing Date		2006-07-24	
	First Named Inventor	Maruoka		
	Art Unit	1614		
	Examiner Name			
	Attorney Docket Number	NANP133US		

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	3	SHIOIRI, et al., Asymmetric Phase Transfer Catalysis, Stimulating Concepts in Chemistry, pp.123-143, 2000, Japan	<input type="checkbox"/>
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	5	OOI, et al., Practical Catalytic Enantioselective Synthesis of α,α -Dialkyl- α -Amino Acids by Chiral Phase-Transfer Catalysis, J. Am. Chem. Soc., Vol. 122, pp. 5228-5229, 2000, Japan	<input type="checkbox"/>
	6	SEKI, et al., A Practical Synthesis of C2-Symmetric Chiral Binaphthyl Ketone Catalyst, Synthesis, No. 12, pp. 1677-1680, 2000, Japan	<input type="checkbox"/>
	7	OOI, et al., New, Improved Procedure for the Synthesis of Structurally Diverse N-Spiro C2-Symmetric Chiral Quaternary Ammonium Bromides, J. Org. Chem., Vol. 68, pp. 4576-4578, 2003, Japan	<input type="checkbox"/>
	8	OOI, et al., Design of N-Spiro C2-Symmetric Chiral Quaternary Ammonium Bromides as Novel Chiral Phase-Transfer Catalysts: Synthesis and Application to Practical Asymmetric Synthesis of α -Amino Acids, J. Am. Chem. Soc., Vol. 125, No. 17, pp. 5139-5151, 2003, Japan	<input type="checkbox"/>

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9	OOI, et al., Molecular Design of a C2-Symmetric Chiral Phase-Transfer Catalyst for Practical Asymmetric Synthesis of α -Amino Acids, J. Am. Chem. Soc., Vol. 121, No. 27, pp. 6519-6520, 1999, Japan	<input type="checkbox"/>
10	ABBOTT, et al., Electrochemical Recognition of Charged Species Using Quaternary Ammonium Binaphthyl Salts, A. P., Analyst, Vol. 126, No. 11, pp. 1892-1896, 2001 UK	<input type="checkbox"/>
11	STARA, et al., Nucleophilic Cleavage of 4,5-Dihydro-3H-dinaphth[2,1-c:1',2'-e]azepinium Quaternary Salts. A Convenient Approach to New Axially Dissymmetric and Axially Asymmetric Ligands, J. Org. Chem., Vol. 57, No. 25, pp. 6966-6969, 1992, Czechoslovakia	<input type="checkbox"/>
12	STARA, et al., Stereochemical Dichotomy in the Stevens Rearrangement of Axially Twisted Dihydroazepinium and Dihydrothiepinium Salts. A Novel Enantioselective Synthesis of Pentahelicene, J. Am. Chem. Soc., Vol. 116, No. 12, pp. 5084-5088, 1994	<input type="checkbox"/>
13	STARA, et al., 4,5-Dihydro-4-alkyl-3H-dinaphtho[2,1-c:1'2'-e]thiepinium Salts. A Convenient Approach to New 2,2'-Bidentate 1,1'-Binaphthalene Ligands with Sulfur Donor Atoms, J. Org. Chem., Vol. 59, No. 6, pp.1326-1332, 1994	<input type="checkbox"/>
14	STARA, et al., Optically Pure (S)- AND (R)-4,5-Dihydro-3H-4-Methyldinaphth[2,1-c; 1',2'-e]Azepines. Application to the Synthesis of New Bidentate Ligands with Axial Asymmetry, Tetrahedron: Asymmetry, Vol. 3, No. 11, PP. 1365-1368, 1992, Great Britian	<input type="checkbox"/>
15	COTTINEAU, et al., Reductive Cleavage of Axially Dismmetric Tertiary Amines and Quaternary Ammonium Salts by Lithium Aluminium Hydride. Synthesis of New 1,1'-Binaphthyl Substituted Amines, Tetrahedron Letters, Vol. 26, No. 4, pp. 421-424, 1985, Great Britian	<input type="checkbox"/>
16	DI BARI, et al., Conformational Study of 2,2'-Homosubstituted 1,1'-Binaphthyls by Means of UV and CD Spectroscopy, J. Am. Chem. Soc., Vol. 121, No. 35, pp. 7998-8004, 1999, Italy	<input type="checkbox"/>
17	SHI, et al., Synthesis of Axially Dissymmetric Chiral Ammonium Salts by Quaternization of Secondary Amines with (R)-(+)-2,2'-Bis(bromomethyl)-6,6'-dinitrobiphenyl and (R)-(+)-2,2'-Bis(bromomethyl)-1,1'-binaphthyl and an Examination of Their Abilities as Chiral Phase-transfer Catalysts, Journal of Chemical Research, Synopses, No. 2, pp. 46-47, 1995, Japan	<input type="checkbox"/>
18	MASON, et al., Optical Activity in the Biaryl Series, Tetrahedron, Vol. 30, No. 12, PP. 1671-1682, 1974, Great Britian	<input type="checkbox"/>
19	KANO, et al., Design of New Polyamine-based Chiral Phase-Transfer Catalysts for the Enantioselective Synthesis of Phenylalanine, Tetrahedron: Asymmetry, Vol. 15, No. 8, pp. 1243-1245, 2004, Japan	<input type="checkbox"/>

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20	IKUNAKA, et al., A Scalable Synthesis of (R)-3,5-Dihydro-4H-dinaphth[2,1-c:1'2'-e]azepine, Organic Process Research & Development, Vol. 7, No. 5, pp. 644-648, 2003, Japan	<input type="checkbox"/>
21	KITAMURA, et al., Powerful Chiral Phase-Transfer Catalysts for the Asymmetric Synthesis of α -Alkyl- and α,α -Dialkyl- α -amino Acids, Angew. Chem. Int. Ed., Vol. 44, pp. 1549-1551, 2005	<input type="checkbox"/>
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Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

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☐ See attached certification statement.

☐ Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ None

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Greg Turocy/	Date (YYYY-MM-DD)	2006-10-04
Name/Print	Gregory Turocy	Registration Number	36952

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